

## Section2-Quiz5

### Question 1:

Open the API documentation for the Simple Grocery Store API and locate the GET /products endpoint.

Did you complete this step? Yes at <https://github.com/vdespa/Postman-Complete-Guide-API-Testing/blob/main/simple-grocery-store-api.md#Get-all-products>

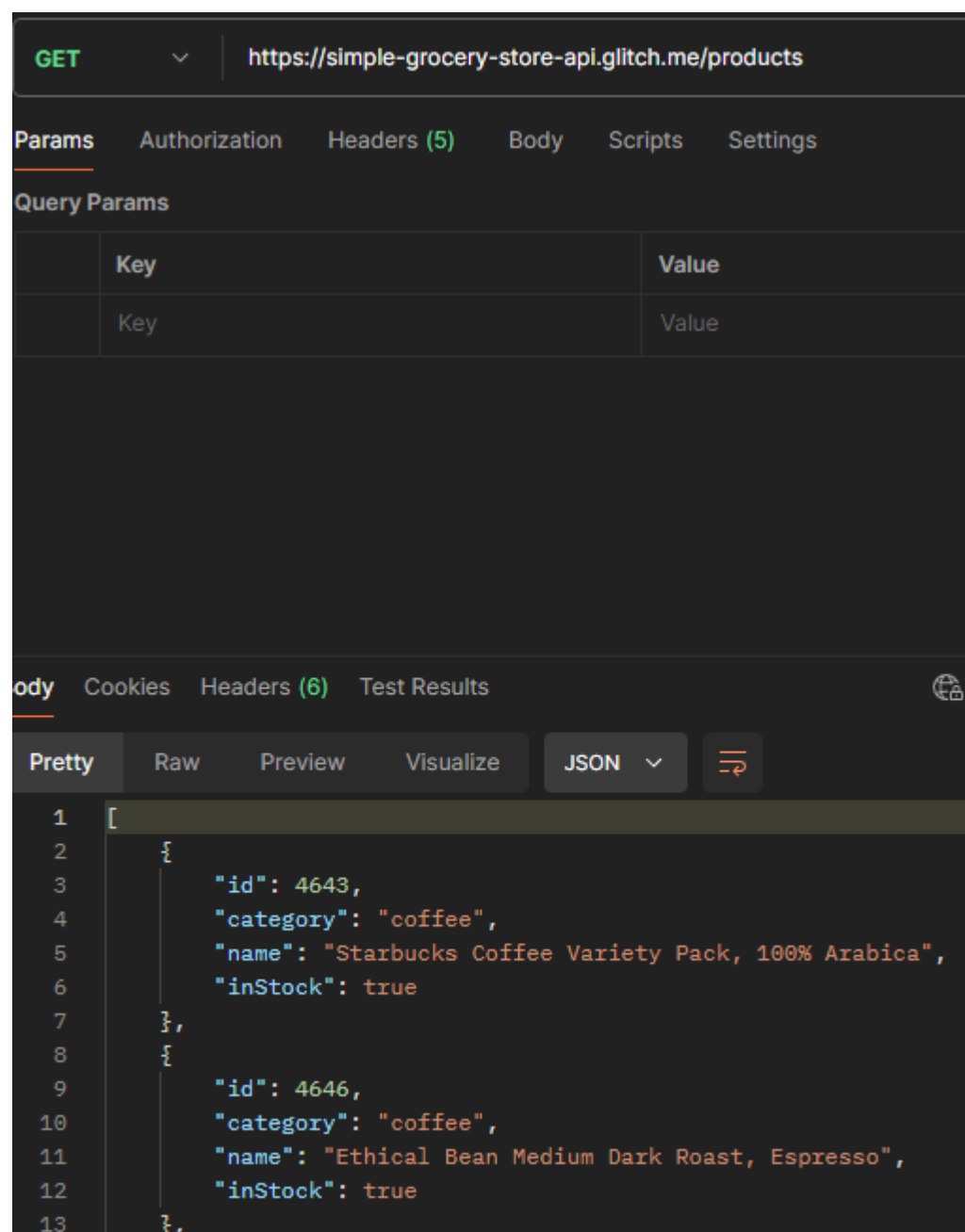
## Question 2:

Add the query parameter results to the GET /products request in Postman and provide a valid value.

Read the API documentation to understand which values are permitted. Make sure no other query parameters are enabled.

You don't need to send the request yet.

Did you complete this step? Yes



### Question 3

Question 3:

Submit the request. You should get a list of products and a status 200 OK.

Check that the number of results is **equal to or smaller** than the number you have specified in the results query parameter.

Did you complete this step? Yes

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** `https://simple-grocery-store-api.glitch.me/products?results=2`
- Query Params:**

Key	Value
results	2
- Status:** 200 OK
- Body (Pretty view):**

```
[
  {
    "id": 4643,
    "category": "coffee",
    "name": "Starbucks Coffee Variety Pack, 100% Arabica",
    "inStock": true
  },
  {
    "id": 4646,
    "category": "coffee",
    "name": "Ethical Bean Medium Dark Roast, Espresso",
    "inStock": true
  }
]
```

#### Question 4:

Using query parameters, filter by the category **eggs** and set the results value to **10**.

You should get back an empty list `[]`, as there are no products in this category.

Did you complete this step? Yes

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** `https://simple-grocery-store-api.glitch.me/products?category=eggs&results=10`
- Params:** A table with the following entries:

Key	Value
category	eggs
results	10
- Body:** The response is displayed in the 'Pretty' view as an empty list: `[]`. The status is 200 OK.

### Question 5:

Change the category to coffee. You should now observe that the response contains some products.

This category contains less than 10 products, so it is normal to get fewer results than requested.

Did you complete this step? Yes

The screenshot shows a REST client interface with a GET request to `https://simple-grocery-store-api.glitch.me/products?category=coffee&results=10`. The 'Query Params' section shows `category=coffee` and `results=10`. The 'Body' tab is selected, showing a JSON response with 3 products. A red box highlights the 'results' parameter in the query params and the JSON response array. A red arrow points from the 'results' parameter to the JSON response.

GET `https://simple-grocery-store-api.glitch.me/products?category=coffee&results=10`

Params • Authorization Headers (5) Body Scripts Settings

Query Params

Key	Value
category	coffee
results	10

Body Cookies Headers (6) Test Results Status: 200 OK

Pretty Raw Preview Visualize JSON

```
[
  {
    "id": 4643,
    "category": "coffee",
    "name": "Starbucks Coffee Variety Pack, 100% Arabica",
    "inStock": true
  },
  {
    "id": 4646,
    "category": "coffee",
    "name": "Ethical Bean Medium Dark Roast, Espresso",
    "inStock": true
  },
  {
    "id": 4641,
    "category": "coffee",
    "name": "Don Francisco Colombia Supremo Medium Roast",
    "inStock": true
  }
]
```

### Question 6:

Try setting a value for the results query parameter that is greater than the maximum allowed value.

Expect to get back a response with an error and a status 400 Bad Request.

Did you complete this step?

The screenshot shows a REST client interface with the following details:

- Method:** GET
- URL:** `https://simple-grocery-store-api.glitch.me/products?category=coffee&results=100`
- Params:** category=coffee, results=100 (highlighted with a red box)
- Status:** 400 Bad Request (Time: 360 ms)
- Body (JSON):**

```
{  "error": "Invalid value for query parameter 'results'. Cannot be greater than 20."}
```

A red arrow points from the 'results' parameter value '100' in the query params table to the error message in the JSON body.

### Question 7:

Try to find a value for the **results** query parameter that is outside of the specified range of numbers.

You know that you have identified a possible bug if the API endpoint does **NOT** return a 400 - Bad request status code.

Did you complete this step? Yes

GET <https://simple-grocery-store-api.glitch.me/products?category=coffee&results=-10>

Params • Authorization Headers (5) Body Scripts Settings

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description
<input checked="" type="checkbox"/>	category	coffee	
<input checked="" type="checkbox"/>	results	-10	

Body Cookies Headers (6) Test Results

Status: 400 Bad Request Time: 415 ms

Pretty Raw Preview Visualize JSON

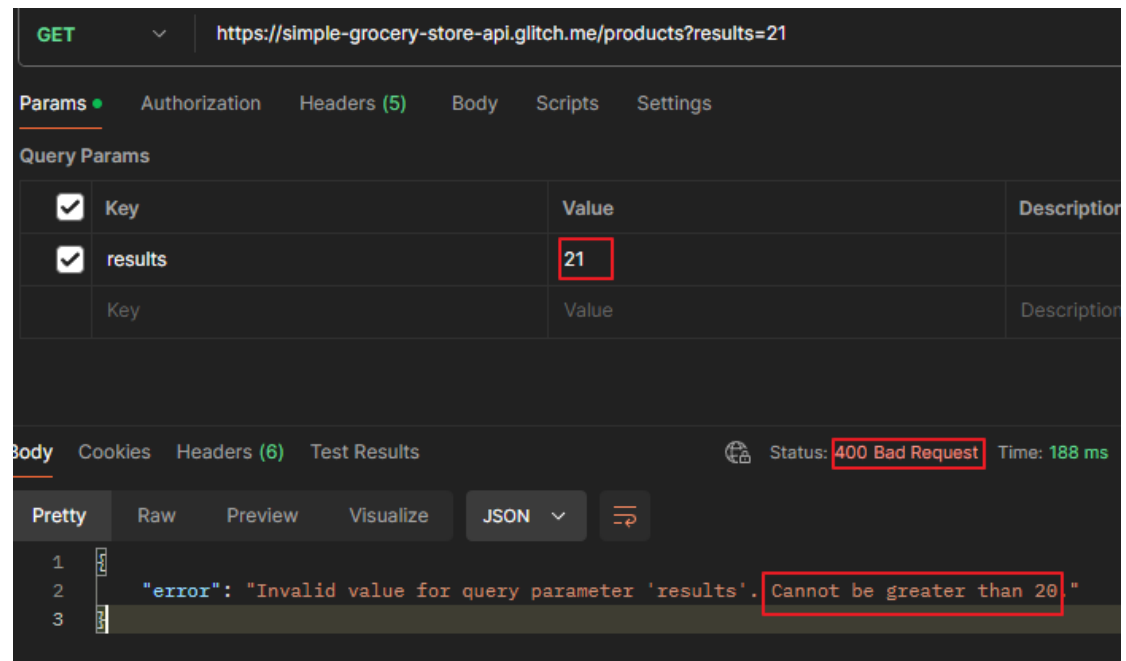
```
1 {
2   "error": "Invalid value for query parameter 'results'. Must be greater than 0."
3 }
```

### Question 8:

Try to find two more values for the **results** query parameter that are outside of the specified range of numbers.

You know that you have identified a possible bug if the API endpoint does **NOT** return a 400 - Bad request status code.

Did you complete this step? Yes



GET <https://simple-grocery-store-api.glitch.me/products?results=21>

Params • Authorization Headers (5) Body Scripts Settings

Query Params

<input checked="" type="checkbox"/>	Key	Value	Description
<input checked="" type="checkbox"/>	results	21	
	Key	Value	Description

Body Cookies Headers (6) Test Results

Status: 400 Bad Request Time: 188 ms

Pretty Raw Preview Visualize JSON

```
1 {
2   "error": "Invalid value for query parameter 'results'. Cannot be greater than 20."
3 }
```